

Semester Overview 2019-2020

Class: 8		April 2019 - October 2019
Subject	Name of Units	Skills
ENGLISH	<p>The Ant-Lion (Prose)</p> <p>On the Grasshopper and Cricket (Poem)</p> <p>The World-Renowned Nose (Prose)</p> <p>Where the Mind is Without Fear (Poem)</p> <p>The Adventure of the Dying Detective (Prose)</p> <p>The West Wind (Poem)</p>	<p>Reading and viewing:</p> <ul style="list-style-type: none"> • Read fluently and demonstrate comprehension and interpretation of a range of grade-appropriate literary texts, featuring some complexity in theme, writing techniques and specialised language, including literature from modern and ancient cultures, short stories, novels, non-fiction and instructional material, reports and articles, advertising and promotional materials, authentic texts, poems and plays in a variety of forms. • Demonstrate comprehension of visual texts with specialized features and complex ideas (e.g., visual components of media such as magazines, newspapers, web sites, reference books, graphic novels, broadcast media, videos, advertising and promotional materials) • Select and use various

		<p>strategies <i>before reading</i> and viewing to develop understanding of text, including setting a purpose, accessing prior knowledge to make and share connections, making predictions, asking questions, previewing texts</p> <ul style="list-style-type: none">• Select and use various strategies <i>during reading</i> and viewing to construct, monitor, and confirm meaning, including predicting, making connections, asking and answering questions, making inferences and drawing conclusions, figuring out unknown words, reading selectively, determining the importance of ideas/events, summarizing and synthesizing, identifying facts, opinions and writers'/narrator's/characters' bias• Select and use various strategies <i>after reading</i> and viewing to confirm and extend meaning, including making inferences and drawing conclusions, reflecting and responding, using graphic organizers to record information and summarizing and synthesizing• Respond to selections they read or view, by expressing opinions and making judgements
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		<p>supported by reasons, explanations, and evidence, explaining connections (text-to-self, text-to-text, and text-to-world), identifying personally meaningful selections, passages, and images and comparing various viewpoints, analysing descriptive texts to infer meaning, opinion and attitude and synthesizing new ideas</p> <ul style="list-style-type: none"> • Identify how structures and features of text work to develop meaning, including form, function, and genre of text (e.g., brochure about smoking to inform students; genre is persuasive) 'text features' (e.g., copyright, table of contents, headings, index, glossary, diagrams, sidebars, hyperlink, pull-quotes) literary elements (e.g., characterization, mood, setting, viewpoint, foreshadowing, conflict, protagonist, antagonist, theme, descriptions) non-fiction elements (e.g., topic sentence, development of ideas with supporting details, central idea, evidence or example, explanation) literary devices (e.g., imagery, onomatopoeia, simile, metaphor, symbolism, personification and other figures of speech) idiomatic expressions
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		<p>Writing:</p> <ul style="list-style-type: none">• Write a variety of clear personal, formal, instructional, persuasive, argumentative, imaginative and visual representations that demonstrate connections to experiences, ideas, opinions and visual clues.• Clearly develop ideas, mood and setting by using effective supporting details, explanations, analysis, insights and sensory details• Demonstrate sentence fluency through strong, well-constructed sentences that demonstrate a variety of lengths and patterns, with an increasingly fluid style, rhythm and flow• Demonstrate effective word choice through the use of precise nouns, verbs, adjectives and modifiers, purposeful use of figurative and sensory language with increasing sophistication• Demonstrate the effective use of tone and voice (first person, second person, omniscient narrator etc.) to suit the purpose and audience• Use a format and/or
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		<p>organisation that is meaningful, logical, effective and appropriate to the purpose and audience with an appropriate beginning (e.g. salutation in a letter, address, indentation etc.) middle (subject line, paragraphing etc.) and ending (closing etc.)</p> <ul style="list-style-type: none"> • Demonstrate effective control over all aspects of coherence and cohesion (cohesive devices, referencing, substitution, sequence markers, establishing logical relationships, conjunctions, connectives etc.) • Select and use various strategies before writing and representing, including establishing a purpose, identifying an audience, genre, and form and generating, selecting, developing, and organizing ideas from personal interest, prompts, texts, and/or research • Select and use various strategies during writing and representing to express and refine thoughts, including analysing models of literature accessing multiple sources of information consulting reference materials considering and applying feedback from discussions to revise ideas,
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		<p>organization, voice, word choice, and sentence fluency revising and editing</p> <ul style="list-style-type: none">• Select and use various strategies after writing and representing to improve their work, including checking their work against established criteria revising to enhance writing traits (e.g., ideas, sentence fluency, word choice, voice, organization) editing for conventions (e.g., grammar and usage, capitalization, punctuation, spelling)• Use writing and representing to critique, express personal responses and relevant opinions, and respond to experiences and texts Write short pieces of continuous prose in response to questions by developing explanations, analysing the relationships in ideas and information, making generalizations, speculating about alternative viewpoints, providing supporting evidence and presenting personal opinions.• Use the features and conventions of language accurately to express meaning in writing and representing, including complete simple, compound, and complex
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		<p>sentences subordinate and independent clauses correct subject-verb and pronoun agreement in sentences with compound subjects correct and effective use of punctuation conventional Canadian spelling for familiar and frequently used words spelling unfamiliar words by applying strategies (e.g., phonic knowledge, use of common spelling patterns, dictionaries, thesaurus) legible writing appropriate to context and purpose</p> <p>Grammar and Vocabulary:</p> <ul style="list-style-type: none"> • Identify and explain how syntactic and structural features convey meaning • Use tenses (simple, continuous, perfect and perfect continuous) accurately to convey time and sequence of events • Use pronouns, referencing and substitution accurately to indicate clear relationships within and between sentence • Identify and use a wide range of simple, compound and complex sentences with flexibility and accuracy to suit the purpose and format of the text
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		<ul style="list-style-type: none">• Explore and use varied sentence structures to convey the same meaning• Use punctuation and other structural clues to infer and convey meaning• Select and use words (verbs, noun phrases, adjectives and adjective phrases, adverbs, modifiers) to convey precise meaning, nuances, intensity, mood, attitude, register, tone and opinion• Identify and use synonyms and paraphrase effectively• Identify and record how descriptive language is used in texts to convey meaning• Use a wide range of vocabulary, including phrasal verbs and idiomatic expressions fluently and flexibly to convey precise meaning• Demonstrate an awareness of style and collocation• Demonstrate full control over spelling and word formation.
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<p>HINDI</p>	<p>Chapter 1: Itne unche utho</p> <p>Chapter 2: Khule Aakash me</p> <p>Chapter 3: Laakh ki churiyan</p> <p>Chapter 4: Jivan ka lakshya</p> <p>Chapter 16: Pardesh me basa bharat</p> <p>Along with Abyas Pustika and Sparsh Vyakaran</p>	<p>Reading</p> <ul style="list-style-type: none"> • Read fluently and demonstrate comprehension and interpretation of a range of grade-appropriate literary texts, featuring some complexity in theme, writing techniques and specialised language • Use a variety of <i>before, during</i> and <i>after</i> reading strategies to make meaning and locate information • Identify how structures and features of text work to develop meaning • Read complex texts actively and comprehend the literal and figurative uses of language • Continue to use resources to increase vocabulary and gain deeper understanding by using context clues • Summarize stories and discuss author's use of word choice <p>Writing</p> <ul style="list-style-type: none"> • Write short and long answers (<i>vistar me uttar dena</i>) to convey information or opinions with increasing clarity • Write a variety of clear personal, formal, instructional, persuasive, argumentative, imaginative and visual representations that demonstrate connections to experiences, ideas, opinions and visual clues (essays upto 200
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		<p>words, news article writing, diary writing, and picture composition).</p> <ul style="list-style-type: none">• Use a format and/or organisation that is meaningful, logical, effective and appropriate to the purpose and audience with an appropriate beginning (e.g. salutation in a letter, address, indentation etc.) middle (subject line, paragraphing etc.) and ending (closing etc.)• Use writing and representing to critique, express personal responses and relevant opinions, and respond to experiences and texts• Demonstrate sentence fluency through strong, well-constructed sentences that demonstrate a variety of lengths and patterns, with an increasingly fluid style, rhythm and flow• Demonstrate effective word choice through the use of precise nouns, verbs, adjectives and modifiers, purposeful use of figurative and sensory language with increasing sophistication• Demonstrate fluent and precise transitions between sentences, ideas, and paragraphs• Demonstrate the effective use of tone and voice to suit the purpose and audience
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		<ul style="list-style-type: none"> • Use the features and conventions of language accurately to express meaning in writing and representing • Comprehend unseen passages, analyze and give logical answers • Choose and use a relevant pre-writing strategy that will help to prepare for the assignment • Review, revise and edit writing in order to improve it • Evaluate own and other's writing according to established criteria and rubrics • Take the help of computer to write articles, poems, stories or news <p>Listening and speaking</p> <ul style="list-style-type: none"> • Listen critically to understand and analyse ideas and information using effective listening strategies • Select and use various strategies when listening to make and clarify meaning • Speak and listen to interact with others for a variety of purposes • Speak to explore, express, and present a range of ideas, information, and feelings for different purposes and audiences using a variety of strategies • Select and use various strategies when interacting with others • Select and use various
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		<p>strategies when expressing and presenting ideas, information, and feelings</p> <ul style="list-style-type: none">• Demonstrate enhanced knowledge of vocabulary and its usage• Recognize and apply the features of oral language to convey and derive meaning• Respond to selections they read or view, by expressing opinions and making judgements supported by reasons, explanations, and evidence, explaining connections <p>Grammar</p> <ul style="list-style-type: none">• Identify and explain how syntactic and structural features convey meaning.• Use all four forms of 'Ra' (Padon, Ref etc) in words• Understand Tatsam and tadbhav• Understand the difference between ki and kii• Understand sanyukt akshar and Sanyukt vyanjan• Identify and use 'Nipaat' (To, bhi, par)• Use tenses (past,present and future) accurately to convey time and sequence of events• Understand different types of sentences (simple, compound and complex)• Identify and use noun(vyakti vachak, jati vachak and bhavvachak sangya with
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		<p>examples and uses) and pronoun (purush vachak, prashan vachak, sambandh vachak, nij vachak and nishay and anishchay vachak with examples and uses)</p> <ul style="list-style-type: none"> • Use direct and indirect speech effectively with appropriate punctuation • Identify and use antonyms, synonyms, gender, singular, plural and paraphrase effectively • Use a wide range of vocabulary, including phrasal verbs and idiomatic expressions fluently and flexibly to convey precise meaning • Demonstrate full control over spelling and word formation • Use karak chinha, prefix and suffix and also identify vartini ki ashudhiyan • Demonstrate effective control over use of verbs (types of verbs 'akarmak aur sakarmak kriya) • Understand use of adverbs • Format of the text • Demonstrate effective control over use of verbs, adjectives and noun • Use direct and indirect speech effectively with appropriate punctuation • Demonstrate full control over spelling and word formation • Use punctuation and other structural clues to infer and convey meaning
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<p>MATHS</p>	<p>Number Sense:</p> <ul style="list-style-type: none"> • Squares and square roots • Cubes and cube roots <ul style="list-style-type: none"> • Exponents <ul style="list-style-type: none"> • Direct and Inverse variation • Time and Work 	<ul style="list-style-type: none"> • Understand that squaring is the inverse of square rooting, and cubing is the inverse of cube rooting • Identify whether a given number is a perfect square/cube or not • Calculate the square root of a given number by prime factorization/ division method • Apply the concepts of square root and cube root in real world problems • Define base and exponent • Recite and write numbers in exponential form • Indicate if a number is written in exponential form, factor form or standard form • Restate the rules for a base with an exponent of zero/one and other laws of exponents • Convert numbers between exponential form, factor form and standard form • Apply exponential laws to solve simple and complex problems • Identify direct and indirect variation in the given situation • Explain the concepts of direct and indirect variations using real life examples • Apply the rules of direct/indirect variations to
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	<ul style="list-style-type: none"> Rational Numbers <p>Algebra:</p> <ul style="list-style-type: none"> Linear Equations in one variable <p>Geometry:</p> <ul style="list-style-type: none"> Understanding Shapes Representing 3-D shapes in 2-D <p>Mensuration:</p> <ul style="list-style-type: none"> Area of a 	<p>solve real world problems</p> <ul style="list-style-type: none"> Compare the ratio proportion method and unitary method to solve same problem Apply the rules of unitary method to solve real world problems involving: <ul style="list-style-type: none"> Number of days and work done Recognize different types of number systems Understand the arithmetical properties of the numbers <ul style="list-style-type: none"> Represent a rational number on number line Define a linear equation and simple linear equation Describe the rules to solve a simple linear equation Explain the rules of transposition Apply the rules for solving a simple linear equations to solve word problems Understanding various 2-D and 3-D shapes Drawing 2-D representation of 3-D objects Verifying Euler's relation for 3-D figures with flat faces. State different units of measurements
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	<p>Chapter 4: Energy</p>	<ul style="list-style-type: none">• Describe pressure exerted by a liquid• Demonstrate pressure exerted by a gas• Describe atmospheric pressure• Express thoughts that reveal originality, speculation, imagination, a personal perspective, flexibility in thinking, invention or creativity• Present ideas clearly and in logical order • Define work• Express work in proper unit• Calculate work done in simple cases• Define kinetic energy• Express kinetic energy in proper units• Solve simple problems based on kinetic energy• Define potential energy• Define gravitational potential energy• Solve simple problems based on gravitational potential energy• Describe energy transformation in daily life situation• Distinguish between energy and power• Can plan an experimental investigation or demonstration using scientific processes
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		<ul style="list-style-type: none"> • Can identify/select on the basis of attributes
CHEMISTRY	<p>Chapter 1: Matter</p> <p>Chapter 2: Physical and chemical change</p> <p>Chapter 6: Chemical reactions</p> <p>Chapter 3: Elements compounds and mixtures</p>	<ul style="list-style-type: none"> • Describe the main postulate of kinetic theory of matter • Explain the reason of change of one state of matter into another • Define and explain the law of conservation of mass using examples • Illustrate different changes occurring in nature with examples learned in previous classes • Perform some activities to show some well known changes • Differentiate between physical and chemical changes and classify them • Describe different types of chemical reactions with examples • Identify the type of chemical reaction • Identify different oxides as acidic, basic, amphoteric and neutral • Explain the effect of heat on oxides of some metals • Recall previous knowledge related to elements, compounds and mixtures • Classify substances into elements, compounds and mixtures on the basis of their properties

	<p>Chapter 2: Reproduction in plants</p> <p>Chapter 3: Reproduction in humans</p>	<p>circulation</p> <ul style="list-style-type: none"> • Differentiates between arteries and veins • Understand and determine the compatibility of blood groups • Define terms - Systemic Circulation, Hepatic Circulation, Systolic Pressure, Diastolic Pressure • Define and understand the importance of reproduction • Differentiate between asexual and sexual reproduction. • Enlist explain and give examples for various methods of asexual reproduction in plants • Draw, label and identify the importance of various parts of plants • Explain the process of sexual reproduction in plants • Dissect a flower and identify its parts • Define and understand the types of pollination • Label the diagrams of male and female human reproductive systems • Comprehends the functioning of human reproductive system • Comprehend the different changes that occur during puberty • Address the problems of adolescence • Define terms related to ecosystem
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	<p>Unit 2: Decline of Mughal Empire and Rise of Independent Regional Powers</p> <p>Unit 3: Coming and Expansion of British East India Company</p>	<p>of the civil war</p> <ul style="list-style-type: none"> • State the reasons for the decline of Mughal Empire • List down the later Mughal rulers in power • State the reasons behind the rise of the Independent Regional Powers <ul style="list-style-type: none"> • State the reasons for British conquest of Bengal • State the causes and results of the Carnatic wars • Analyze the reasons for the British success • Understand the methods of British expansion
<p>CIVICS</p>	<p>Unit 1: Three main Organs of the Indian Government: Legislature, Executive, Judiciary</p>	<ul style="list-style-type: none"> • Discuss the composition of the Indian parliament - the Lok Sabha and the Rajya Sabha • Compare and understand the working of the Lok Sabha and the Rajya Sabha • Describe the relation between the two houses • Explain the powers and the functions of the Union Parliament • State the qualification, election, powers and functions of the President, Prime Minister and Council of Ministers • Discuss the composition of the Supreme court and the High Court and state the qualification and appointment of

	<p>Unit 4: Urbanisation</p> <p>Unit 5: Natural and Man made disasters</p>	<p>in India</p> <ul style="list-style-type: none"> • Describe the term urbanisation • Identify causes of urbanisation • Describe the impact of urbanisation • Differentiate a smart city from any other urban center • Differentiate between man made and natural disasters • Discuss importance of disaster management • Demonstrate (through drill) measures to be taken during any disaster • Describe the causes, effect and impact of various kinds of disaster • List the measures to be adopted to prevent disaster
ICT	<p>Chapter 1: Operating system and GUI</p> <p>Chapter 2: Introduction to M.S. Access</p>	<ul style="list-style-type: none"> • Definition, objective and functions of an operating system • Types of operating system • Interfaces in Operating system • User interface and its types • CUI and GUI • Advantages of GUI • Different Data Types • Selecting proper Data Types • Data Organization • Database and DBMS Advantages • Objects in M. S. Access-Table, Form, Query and Report Tables in M. S. Access (Structure Design of the fields in a table)

	<p>Chapter 3: Advanced Features of M. S. Access</p> <p>Chapter 4: Advanced tags in HTML</p> <p>Chapter 5: App development</p>	<p>Setting and removing Primary Key Adding, modifying, viewing and deleting Records</p> <ul style="list-style-type: none"> • Creating queries, forms and reports • Formatting Forms and Reports • Printing Reports • Project <p>Web page designing that includes</p> <ul style="list-style-type: none"> • Inserting tables • Inserting Images • Creating Lists • Hyperlinks • Marquee <ul style="list-style-type: none"> • App installation • Commonly known apps • Types of app • Mobile operating system • Tools used to develop app • App development with app inventor.
<p>GUJARATI</p>	<p>Chapter 1: Chabutaro</p> <p>Chapter 2: Parvat Tara</p> <p>Chapter 8: Charnoma</p> <p>Chapter 6: Narmada Maiya</p>	<p>Listening and speaking:</p> <ul style="list-style-type: none"> • Vary the use of vocabulary and level of detail according to purpose • Listen carefully in discussion, contribute with relevant comments and questions • Adapt the pace and volume of speaking when performing or reading aloud • Understand the gist or the significant points of an account • Speak on any topic confidently <p>Grammar:</p> <ul style="list-style-type: none"> • Establish the use of

		<p>punctuation marks (question mark, full stop, comma, exclamation)</p> <ul style="list-style-type: none"> • Establish the use of tenses • Understand one word for a group of words, rhyming words, gender related words, singular-plural (vachan), adjective • Identify a noun, pronoun, verb (kriya shabd) and adjective through reading comprehension <p>Reading:</p> <ul style="list-style-type: none"> • Read independently on any topic with expressions • Read using the help of all matras • Pronounce all the words correctly and clearly while reading and be able to understand their mistakes and try to correct them on their own • Read articles, stories, dramas, jokes and poems with expression and correct articulation and enunciation • Develop an awareness of the use of tenses while reading <p>Writing:</p> <ul style="list-style-type: none"> • Write short and long answers on their own (2-4 sentences) • Write correct sentences while following grammatical rules • Write small essays (100-150 words) and poems on their own • Write a character sketch (atleast 10 sentences) • Write their views and
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		<i>experiences in their own words using correct language</i>
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